

Application No: 10/829,252  
Attorney's Docket No: ALC 3131

### CLAIM AMENDMENTS

This listing of claims will replace all prior versions and listings of claims in the application.

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#### Listing of Claims

1. (Currently Amended) A method of using a plurality of bookmarks to manage network objects within a network hierarchy in a network management system, the network hierarchy organized into a network management map having a plurality of layers providing access to views of network objects within an application for use in managing or viewing a telecommunication network having a hierarchy of telecommunication network objects, the application providing a graphical user interface through which an operator can issue instructions, the method comprising the steps of:

associating each bookmark with a network object in accordance with the object's position within the network hierarchy, the network object being selected from the list consisting of network elements, groups of network elements, line cards, and ports;

organizing bookmarks corresponding to a layer of a network management map into a bookmark group;

organizing a plurality of bookmark groups into a hierarchy that corresponds to the network hierarchy;

storing the bookmarks and bookmark groups as a stored bookmark list;

associating the stored bookmark list with a unique operator;

Application No: 10/829,252  
Attorney's Docket No: ALC 3131

retrieving the stored bookmark list when the operator logs onto the network management system;

displaying the stored bookmark list in a graphical user interface to allow the operator to manage the network objects;

responding to the operator's selection of bookmarks from the stored bookmark list by providing information to allow the operator to manage network objects corresponding to the selected bookmarks; and

responding to the operator's management of a currently displayed network object that does not correspond to a bookmark in the stored bookmark list by adding a new bookmark to the stored bookmark list

~~storing a stored bookmark list of bookmarks, each bookmark being associated with a telecommunication network object, the telecommunication network object being selected from the list consisting of network elements, groups of network elements, line cards, and ports;~~

~~accessing the stored bookmark list when the operator logs onto the application, the stored bookmark list uniquely associated with the operator;~~

~~displaying the stored bookmark list in the graphical user interface;~~

~~if the operator selects a bookmark in the stored bookmark list, displaying information concerning the telecommunication network object associated with the bookmark selected by the operator; and~~

Application No: 10/829,252  
Attorney's Docket No: ALC 3131

~~if the operator issues instructions to add a new bookmark to the stored bookmark list, adding a new bookmark to the stored bookmark list, the new bookmark being associated with a currently displayed telecommunication network object.~~

2. (Previously Presented) The method of claim 1 wherein the step of displaying the stored bookmark list displays the bookmark list as a drop down menu, the step of displaying the bookmark list initiated when the operator selects a bookmarks submenu contained within a menu in the graphical user interface.
3. (Previously Presented) The method of claim 2 wherein the drop down menu further includes a menu command by which the operator can issue instructions to add a new bookmark to the stored bookmark list.
4. (Previously Presented) The method of claim 1 further comprising the steps of:
  - if the operator issues instructions to manage the bookmarks, providing a bookmark management window, the bookmark management window including a temporary bookmark list initially identical to the stored bookmark list;
  - if the operator issues instructions to create a bookmark group, creating a bookmark group;

Application No: 10/829,252  
Attorney's Docket No: ALC 3131

if the operator issues instructions to assign one of the bookmarks in the temporary bookmark list, assigning the one of the bookmarks in the temporary bookmark list to the bookmark group; and

if the operator issues instructions to save the temporary bookmark list, storing the temporary bookmark list as the stored bookmark list.

5. (Previously Presented) The method of claim 4 wherein the step of displaying the stored bookmark list comprises displaying the stored bookmark list as part of a drop down menu, the drop down menu further including a command by which the operator can issue instructions to manage the bookmarks.

6. (Previously Presented) The method of claim 5 wherein the step of providing a bookmark management window comprises displaying a New Folder button, a Rename button, a Delete button, an OK button, and a Cancel button, wherein the operator may designate any bookmark in the temporary bookmark list as a selected bookmark, and wherein the method comprises the further steps of:

if the operator selects the New Folder button, prompting the operator to enter a new bookmark group name, and creating a new bookmark group having the new bookmark group name in the temporary bookmark list;

if the operator selects the Rename button, prompting the operator to enter a new bookmark name, and renaming the selected bookmark with the new bookmark name;

Application No: 10/829,252  
Attorney's Docket No: ALC 3131

if the operator selects the Delete button, deleting the selected bookmark from the temporary bookmark list; and

if the operator selects the Cancel button, closing the bookmark management window; and wherein the operator issues the instructions to save the temporary bookmark list by selecting the OK button.

7. (Previously Presented) The method of claim 6 wherein the step of providing a bookmark management window further comprises displaying a Clean Up button, and wherein the method comprises the further step of: if the operator selects the Clean Up button, removing from the temporary bookmark list any bookmarks for which the associated telecommunication network object no longer exists within the hierarchy of telecommunication network objects.

8. (Canceled)

9. (Currently Amended) A computer-readable medium having instructions for using a plurality of bookmarks to manage network objects within a network hierarchy in a network management system, the network hierarchy organized into a network management map having a plurality of layers providing access to views of telecommunication network objects within an application for viewing or managing a telecommunication network having a hierarchy of telecommunication network objects, the application providing a graphical user interface through which an operator can issue instructions, the computer-readable medium comprising:

Application No: 10/829,252  
Attorney's Docket No: ALC 3131

instructions for associating each bookmark with a network object in accordance with the object's position within the network hierarchy, the network object being selected from the list consisting of network elements, groups of network elements, line cards, and ports;

instructions for organizing bookmarks corresponding to a layer of a network management map into a bookmark group;

instructions for organizing a plurality of bookmark groups into a hierarchy that corresponds to the network hierarchy;

instructions for storing the bookmarks and bookmark groups as a stored bookmark list;

instructions for retrieving the stored bookmark list when an operator logs onto the network management system;

instructions for displaying the stored bookmark list in a graphical user interface to allow the operator to manage the network objects;

instructions for responding to the operator's selection of bookmarks from the stored bookmark list by providing information to allow the operator to manage network objects corresponding to the selected bookmarks; and

instructions for responding to the operator's management of a currently displayed network object that does not correspond to a bookmark in the stored bookmark list by adding a new bookmark to the stored bookmark list

instructions for storing a stored bookmark list of bookmarks, each bookmark being associated with a telecommunication network object, the telecommunication network object

Application No: 10/829,252  
Attorney's Docket No: ALC 3131

~~being selected from the list consisting of network elements, groups of network elements, line cards, and ports;~~

~~instructions for displaying the stored bookmark list in the graphical user interface as a drop down menu, the instructions for displaying the stored bookmark list initiated when the operator selects a bookmarks submenu contained within a menu in the graphical user interface;~~

~~instructions for displaying information concerning the telecommunication network object associated with a bookmark selected by the operator, in the event that the operator selects a bookmark in the stored bookmark list; and~~

~~instructions for adding a new bookmark to the stored bookmark list, the new bookmark being associated with a currently displayed telecommunication network object, in the event that the operator issues instructions to add a new bookmark to the stored bookmark list.~~

10. (Previously Presented) The computer-readable medium of claim 9 wherein the instructions for storing the stored bookmark list comprise instructions for storing the stored bookmark list uniquely in association with the operator.

11. (Previously Presented) The computer-readable medium of claim 9 wherein the drop down menu further includes a menu command by which the operator can issue instructions to add a new bookmark to the stored bookmark list.

12. (Previously Presented) The computer-readable medium of claim 9 further comprising:

Application No: 10/829,252  
Attorney's Docket No: ALC 3131

instructions for displaying a bookmark management window including a temporary bookmark list initially identical to the stored bookmark list, in the event that the operator issues instructions to manage the bookmarks;

instructions for creating a bookmark group, in the event that the operator issues instructions to create a bookmark group;

instructions for assigning one of the bookmarks in the temporary bookmark list to one of the bookmark groups, in the event that the operator issues instructions to assign one of the bookmarks in the temporary bookmark list; and

instructions for storing the temporary bookmark list as the stored bookmark list, in the event that the operator issues instructions to save the temporary bookmark list.

13. (Previously Presented) The computer-readable medium of claim 12 wherein the drop down menu further includes a command by which the operator can issue instructions to manage the bookmarks.

14. (Previously Presented) The computer-readable medium of claim 13 wherein the instructions for providing a bookmark management window comprise instructions for displaying a New Folder button, a Rename button, a Delete button, an OK button, and a Cancel button, and the computer-readable medium further comprising:

instructions for allowing the operator to designate any bookmark in the temporary bookmark list as a selected bookmark;

Application No: 10/829,252  
Attorney's Docket No: ALC 3131

instructions for prompting the operator to enter a new bookmark group name and creating a new bookmark group having the new bookmark group name in the temporary bookmark list, in the event that the operator selects the New Folder button;

instructions for prompting the operator to enter a new bookmark name and renaming the selected bookmark with the new bookmark name, in the event that the operator selects the Rename button;

instructions for deleting the selected bookmark from the temporary bookmark list, in the event that the operator selects the Delete button; and

instructions for closing the bookmark management window, in the event that the operator selects the Cancel button; and

wherein the instructions for storing the temporary bookmark list as the stored bookmark list are executed in the event that the operator selects the OK button.

15. (Previously Presented) The computer-readable medium of claim 14 wherein the instructions for providing a bookmark management window further comprise instructions for displaying a Clean Up button, and the computer-readable medium further comprising: instructions for removing from the temporary bookmark list any bookmarks for which the associated telecommunication network object no longer exists within the hierarchy of telecommunication network objects, in the event that the operator selects the Clean Up button.

Application No: 10/829,252  
Attorney's Docket No: ALC 3131

16. (Previously Presented) The computer-readable medium of claim 14 wherein the instructions for storing the stored bookmark list comprise instructions for storing the stored bookmark list uniquely in association with the operator.